

on. Dr. Johnson, Supt. of the smelting works, is making arrangements for a pair of immense Cornish rollers, 17 to 28 in., capable of crushing from 75 to 80 tons of ore per lay.

#### IDAHO.

Owyhee *Avalanche*, Oct. 19th: The Iowa Co.'s mill in Flint District started yesterday on a preliminary trial. Everything works well and the Co. look forward to the time when they will turn out "much bullion."

#### MONTANA.

*Post*, Oct. 12th: The Atlantic Cable lode is the richest and largest auriferous quartz vein in Montana. Some doubts were entertained at first as to the immense deposit of ore being a regular vein, but since well defined wall rocks, the lower a pure white granite, the upper a firm limestone, were found, these doubts have vanished and a bona fide ledge shows itself. The quartz is of every hue and texture, from pure white, thickly studded with fine gold, to cinder-like burnt masses of decomposed rock variegated with sulphurets and oxides of copper, similar to the Dakota lode in Beaverhead county. The whole vein of quartz is intersected with crevices, which widen out into pockets in places, filled with decomposed quartz and dirt. The assay of average quartz, 1,200 tons of which lie ready to go to the mill, as tested by Bohm & Molitor, of Helena, is \$427.87 in gold and \$1.56 in silver to the ton.

The building for Hendry & Ray's 12-stamp mill at Butte City has been commenced, and the mill will be in operation in two or three weeks. We have the authority of gentlemen competent to give a reliable opinion, that the copper ores in that region exceed in richness those of the famous Lake Superior region.

Sheriff Snider on Tuesday resold the Corey property in Alder Gulch, the purchase of which by Mr. Morse for \$6,500 was noticed some days since. Mr. Morse having a trust deed for the property, the sale to him was invalid. It was purchased at the last sale by Mr. Leroy Southmayde for \$6,800 currency.

Mr. Postlewaite is about to commence the erection of a 15-stamp mill to crush ore from the Kennett lode. It will be erected near Slade's ranch on the Madison divide, and work will be commenced in a few days.

#### NEVADA.

##### Black Rock.

*Sage Brush*, Oct. 19th: Black Rock is still fomenting. Quite a number of interested *speculators* are drifting by to the immediate vicinity of that famous region, and many of our own citizens will go thither to remain for the winter. Owing to the peculiar climate of that section the winter is the best season for operating there.

Marysville *Appeal*, Oct. 25th: There is an increased excitement about the Black Rock mines. They are fabulously rich, but the working of the rock has been attended with obstacles which seemed to be beyond the power of science and the perseverance of man to overcome. Lately, however, several tons of rock have been worked at the Dall mill, Nevada, with results which seem to give confidence to capitalists and induce the erection of two mills.

##### Humboldt.

Unionville *Register*, Oct. 19th: Some 20 assays of ore from the Buena Vista series of ledges, in Battle Mountain district, taken without selection, have been made, the lowest of which gave \$50 per ton, ranging up into the hundreds. The ore is decomposed,

*Trespass*, Oct. 25th: Two of the five large pans used for calcining at the Onana smelting works have broken with recent use, and will have to be replaced at great cost. It is believed that the pans were cast too large and of too light material to stand the weight of so much metal as they are charged with. They will be immediately replaced.

##### Pahrnanagat.

San Bernardino *Guardian*, Oct. 19th: We have heard from Pahrnanagat district this week, and are glad to hear that, after all, there is a good show for these mines coming out. A party from there reports that a sale of large interests in Pahrnanagat has taken place in New York, the stamps on the transfer deed amounting to \$3,000. It is reported that operations will at once be commenced, and conducted in the most thorough manner; that the mining will be conducted by practical and experienced men, and that by next spring the camp will open up as one of the most lively and enterprising in the whole country. There will be no want of capital to develop the resources of the lodes, which are claimed to be the continuation of the great Comstock.

##### Reese River.

*Reveille*, Oct. 21st: The Knickerbocker mill was set in motion last week. It is reducing ore from the Columbus district. Several mines at Lone belonging to the mill company were producing good ore.

The 10-stamp mill of the Consolidation Co., of Hot Creek, which has been idle for months, has been leased by Judge Ferris, and is at present employed in working its own tailings successfully.

The vein of the Quintera ledge, in Silver Bend district, was cut in the shaft at the depth of 130 ft., and was found to be of the width of seven feet. Drifts extend from 50 to 60 ft. on either side of the shaft, in which there are bodies of ore that will pay at the rate of \$80 to \$100 per ton. A trifle over three feet in the width of the ledge carries the main body of ore. The surface ore of the Quintera was as rich as any yet discovered in the district.

Since the purchase of the Northumberland mine, in the district of that name, by T. F. White, for his company, active measures have been taken to open it. The most important work yet undertaken is the running of a tunnel on the eastern slope of the mountains, which, according to survey, will strike the ledge in the length of 360 feet at the depth of 140 feet below the surface. The first 30 feet were easy going, and were made at the rate of 12 feet per day. Next spring another tunnel will be commenced on the western slope of the mountain, which is estimated to be 1,300 feet long when the ledge shall be cut, and 500 feet below the surface.

Oct. 23d: Since the starting of the mill by the Old Dominion Co. life and activity have been infused throughout Hot Creek district. The Old Dominion mine continues to improve in appearance, although it is opened to only a slight depth, and it is producing a large amount of excellent ore. Other mines in Hot Creek are doing equally well. Among the best of these is the Silver Glance, near the summit of the Blue Ridge mountain. The ledge has been traced for nearly 400 feet, and yields good ore in all the excavations. Its main opening is by an incline shaft which is scarcely 20 feet deep. The vein is five feet wide between the casings, three feet of which contain the mineral. Several tons were worked at the Old Dominion mill and gave a yield of \$100 per ton. It is the intention of the owners to

ore showed the size of the vein to be from 12 to 14 inches thick.

The vertical shaft of the South American mine is 172 feet deep, and the lowest levels extend from the depth of 160 feet. The vein is firm and from 10 to 18 inches thick. The quality of the ore produced is excellent. Ten tons of the ore as it was taken from the ledge were sent to the Manhattan mill for reduction, the yield of which was \$171 per ton. Thirty tons—10 tons of first-class and 20 tons of second-class—are now at the Met-tacom mill, but the yield of the ore has not been ascertained.

Oct. 26th: Bunker Hill district is beginning to awaken considerable attention. The success of Coover's fine mill, which is employed in reducing ore from the Victorine ledge, is perhaps the immediate cause. Several ledges have been sufficiently prospected and opened to determine the quality of their ore. Nearly all the mines in the district produce mineral which contains an appreciable quantity of gold, and several of them yield gold in excess of silver.

Nearly 4,000 ounces of bullion arrived in the city yesterday afternoon from Lone. It was produced at the Knickerbocker mill.

Silver Bend *Reporter*, Oct. 26th: A company has commenced work on a tunnel intended to strike the Red Warner and other ledges, with indication of reaching the Warner in a few days.

##### Washoe.

[In the Stock Circular, in another portion of this paper, will be found late mining news from this district.]

Virginia *Enterprise*, Oct. 23d: Four tons of ore from Washington district is being worked at Dall's mill, which, it is expected, will yield \$300 per ton.

Oct. 24th: A movement is on foot for the resumption of work on the Union claim, Palmyra district.

The daily average of ore taken from the Gould & Curry mine at present is 100 tons, with from 3,500 to 4,000 tons already in the ore houses at the mine and mill.

A lot of 1,500 pounds of ore worked from the Dunderberg mine at a mill in Aurora yielded at the rate of \$50 per ton. The ore operated upon was not selected, but was taken out across the whole width of the lead.

Oct. 25th: The hoisting works at the new Ophir shaft are now in operation.

Wells, Fargo & Co. shipped from their offices in Gold Hill and Virginia during the past week, 6,184 pounds of assayed bullion, valued at \$159,254.13.

Oct. 26th: The Lady Bryan has at last proved a paying mine. Within the last six weeks it has been discovered that the whole of the immense croppings of the ledge are a mass of paying ore, which it is only necessary to blast out and send to the mills. A piece of ore selected as an average specimen by Mr. Sharon, of the Bank of California, assayed \$111.99, and a piece selected at the same time by Mr. O'Neale went \$169.85 per ton. A specimen supposed to contain nothing at all yielded at the rate of \$37.48 per ton. Assays made from the pulp flowing from a battery in which a lot of float rock was being crushed, yielded as follows: \$32.12, \$26.23 and \$31 per ton. In regard to these assays it must be borne in mind that quicksilver was used in the battery, and that the greater part of the free metal contained in the ore was doubtless amalgamated and held within the battery. The Golden Eagle mill, Dayton, is now running on ore from the Lady Bryan.

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